

PU01-01150

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Yamamura et al.

Serial No.: 09/987,453

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Group Art Unit: 2615

Examiner: Unknown

For: **INFORMATION RECORDING AND REPRODUCING APPARATUS WITH A RING BUFFER AND METHOD FOR MONITORING RING BUFFER**

Assistant Commissioner of Patents
Washington, D.C. 20231

SUBMISSION OF FORMAL DRAWINGS

Sir:

Submitted herewith are eight (8) sheets of formal drawings comprising figures 1 - 8 for the above-identified patent application. Acknowledgment of receipt is respectfully requested. Please substitute these formal drawings for the drawings which were filed with the application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Sean M. McGinn".

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FIG. 1

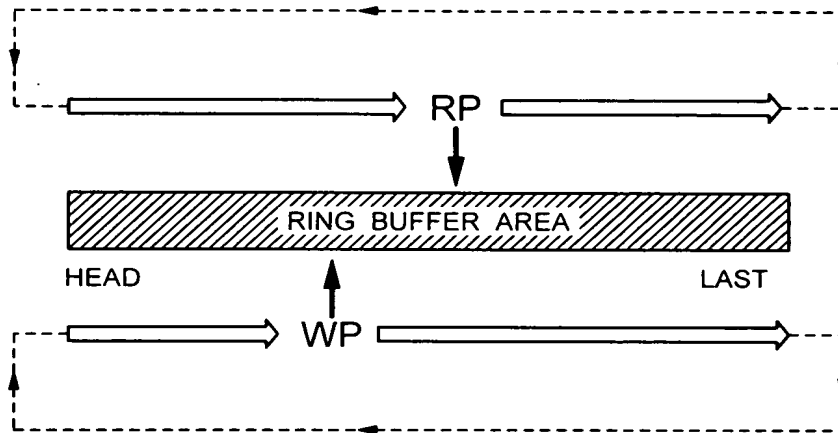


FIG. 2

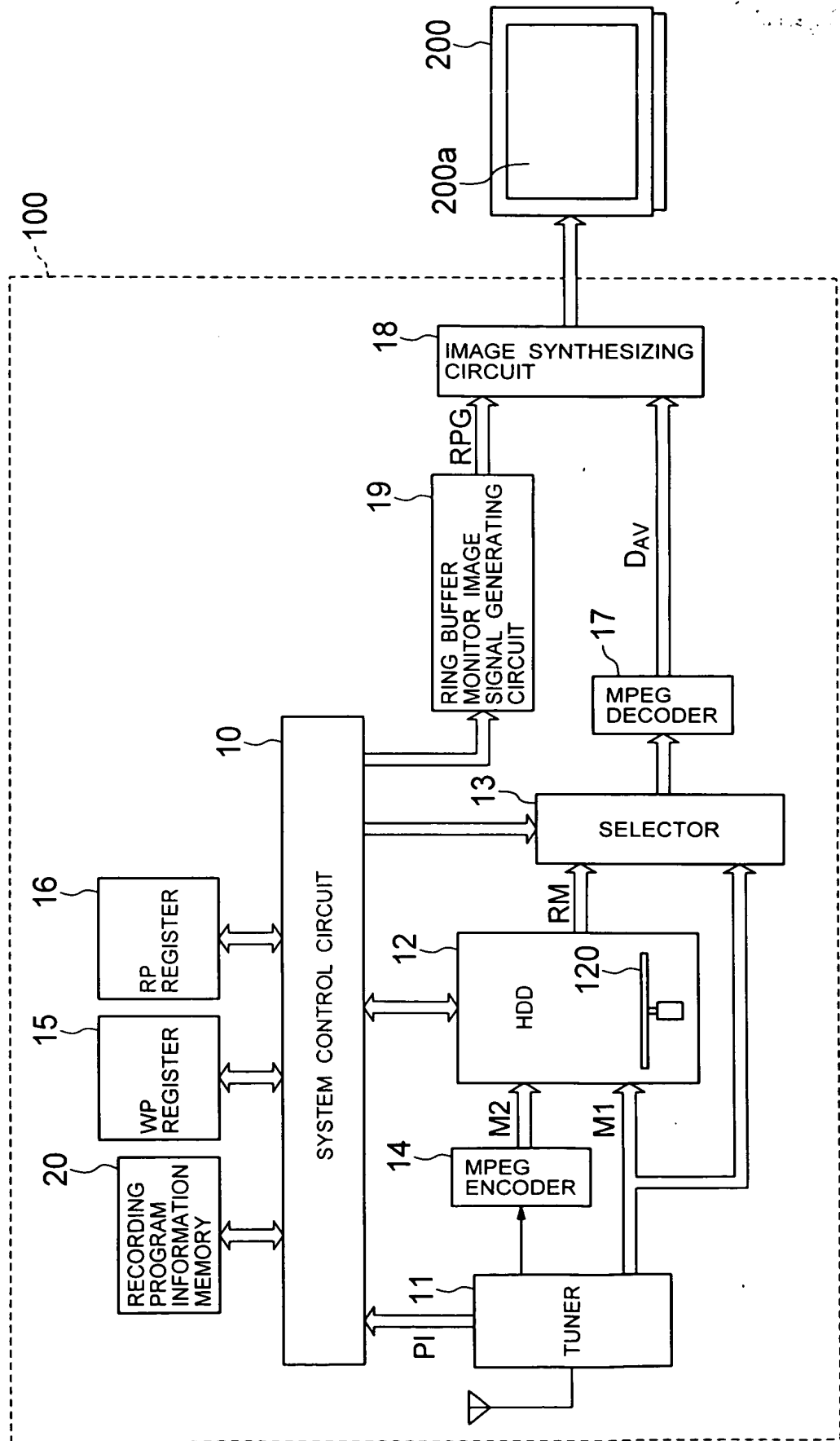




FIG. 3

ACCESSING ORDER	SECTOR	POSITION IN RING AREA
1	00000~00019	0000 (HEAD)
2	00020~00039	0001
3	00040~00059	0002
4	00060~00079	0003
⋮	⋮	⋮
n-1	98980~98999	9998
n	99000~99019	9999 (LAST)



FIG. 4

PROGRAM INFORMATION				SECTOR
	PROGRAM NAME	GENRE	HD/SD	
1	RELAY OF PROFESSIONAL BASEBALL	SPORTS	HD	00000~02000
2	NEWS AT 9:00	NEWS	SD	02500~05000
3	SAKANO UENO KUMO	MOVIE	HD	06000~18000
4	YOTTE SOUROU	DRAMA	SD	19000~24000

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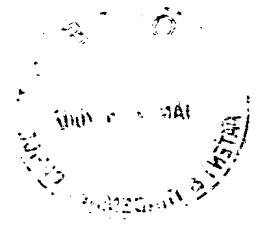


FIG. 5A

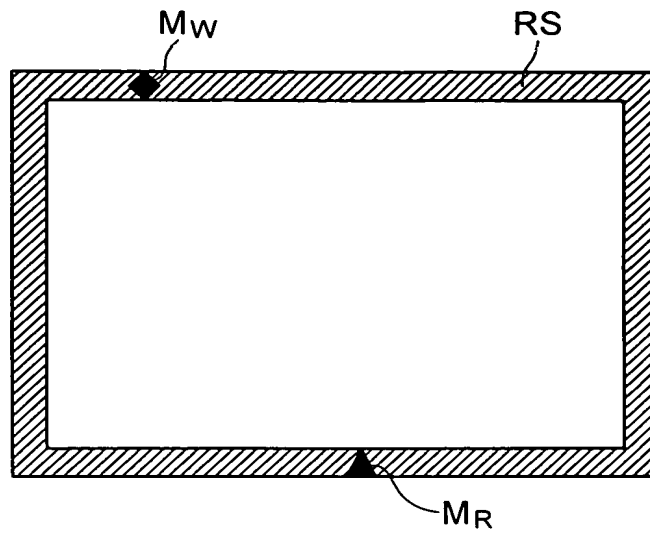


FIG. 5B

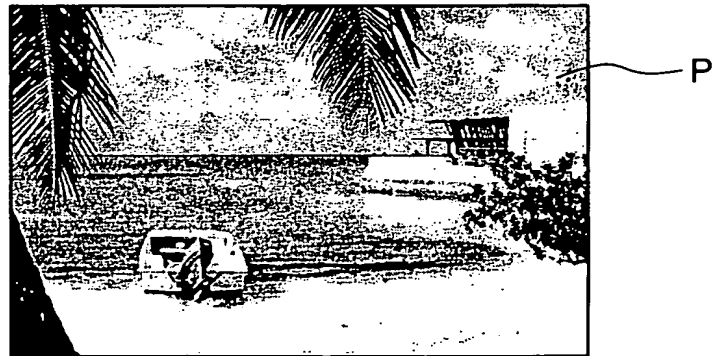


FIG. 5C

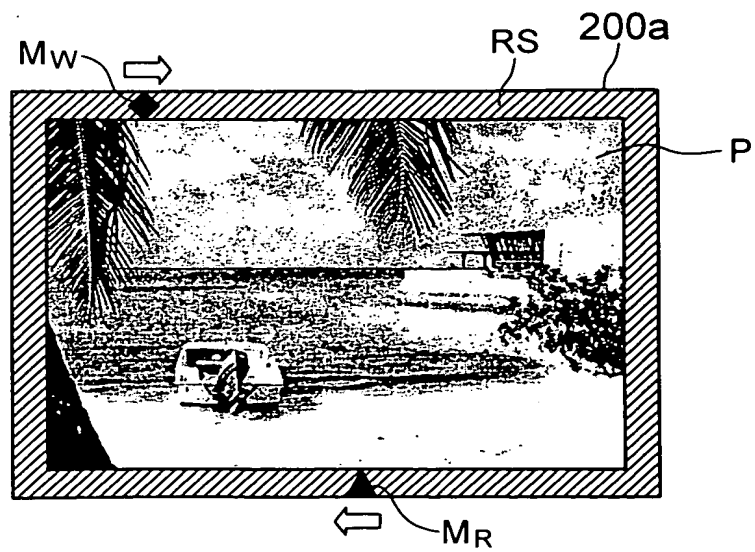


FIG. 6

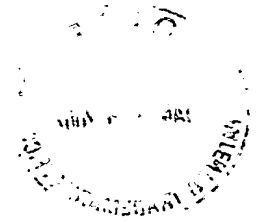
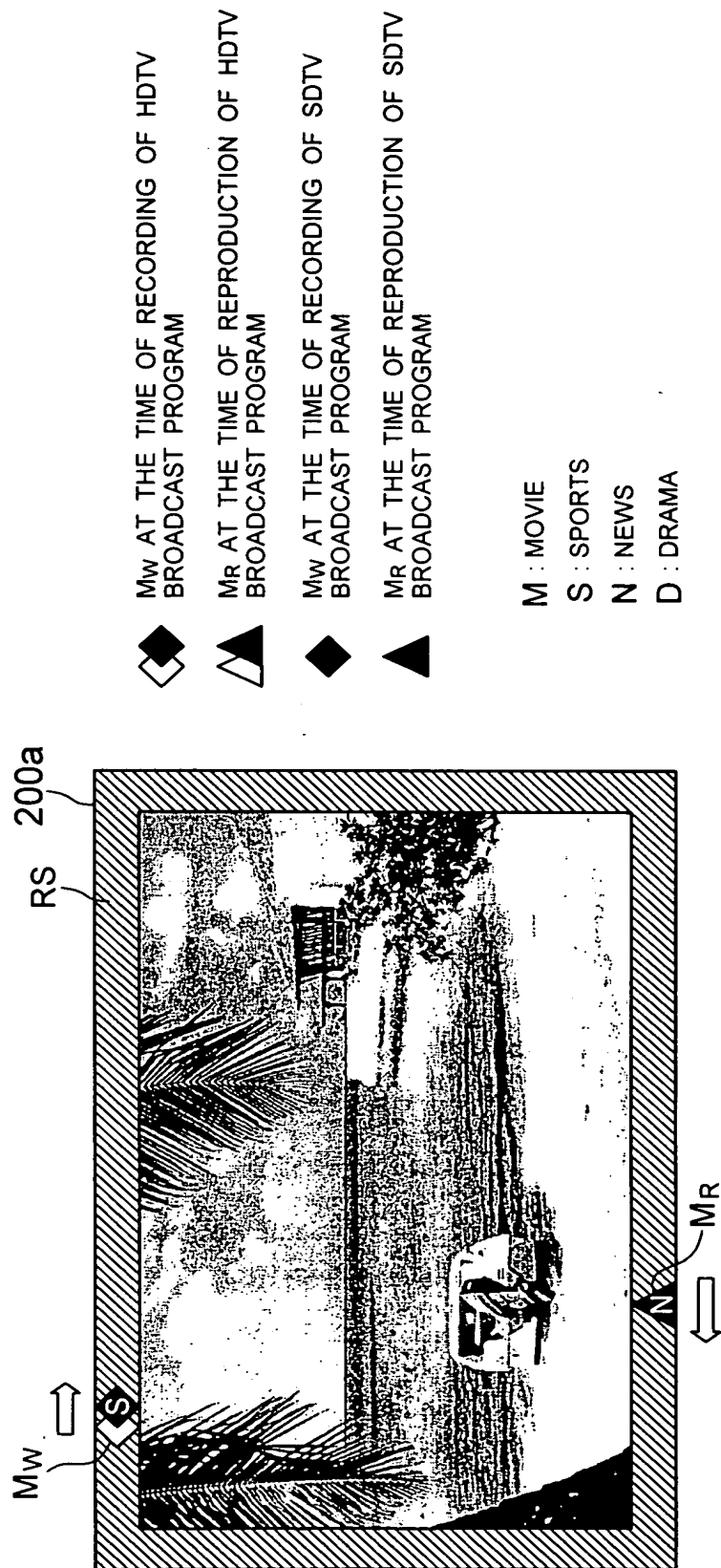
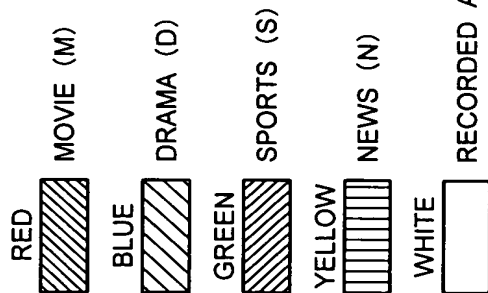
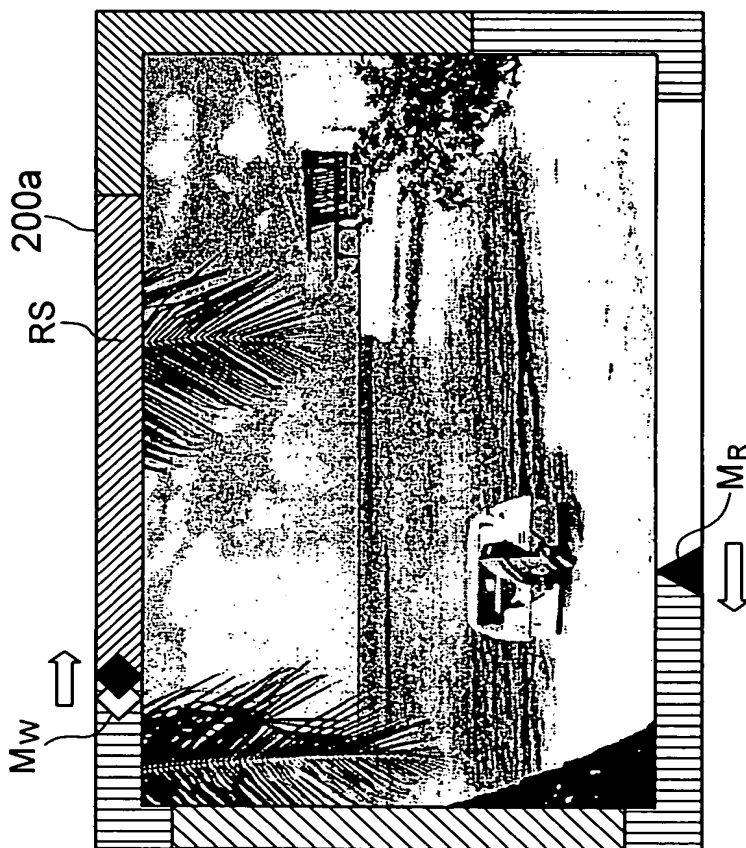




FIG. 7



FORM OF MW

 AT THE TIME OF RECORDING OF SDTV BROADCAST PROGRAM
 AT THE TIME OF RECORDING OF HDTV BROADCAST PROGRAM

FORM OF MR



 AT THE TIME OF REPRODUCTION OF SDTV BROADCAST PROGRAM
 AT THE TIME OF REPRODUCTION OF HDTV BROADCAST PROGRAM

FIG. 8

